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MAGNETIC DISK SUBSTRATES FORMED OF
CERAMIC-METAL MATRIX COMPOSITES WITH OR WITHOUT
METAL CLADDING

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SUBSTRATS DE DISQUES MAGNETIQUES CONSTITUES DE
COMPOSITES EN CERAMIQUE- MATRICE METALLIQUE
AVEC OU SANS PLACAGE METALLIQUE

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OWNERS:

ISSUED:

May 21, 1997

FILED:

Jan. 8, 1998

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LAID OPEN:

CANADIAN CLASS:

INTERNATIONAL CLASS: **C22C 21/00; B32B 15/04; C22C 1/05;
G11B 5/704; G11B 5/84**

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APPLICATION PRIORITY DATA:

| Application No. | Country | Date |
|-----------------|---------|--------------|
| 08/674,140 | US | July 1, 1996 |

ABSTRACT:

A rigid disk substrate for a magnetic recording disk is formed of a ceramicmetal matrix composite. A metal-cladding may be included around the ceramicmetal matrix composite to form a sandwich structure. The ceramic-metal matrix composite has a composition ranging from approximately 1 to 40 weight % of ceramic and 60 to 99 weight % of metal matrix. The metal matrix material and the metal cladding material are aluminum or an aluminum alloy.

CLAIMS: [Show all claims](#)

*** Note: Data on abstracts and claims is shown in the official language in which it was submitted.

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